

Summary table of field observations and cyanobacterial analysis.											
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:	13/01/2025					
Client:	NATIONAL CAPITAL AUTHORITY										
Site	Lotus Bay	Ferry Terminal	East Basin	Yarralumla Beach	Black Mountain Beach	Weston Park East	Weston Park West	Captain Cook Memorial Globe	Yarralumla Bay	Acton West	
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539	
Sample Date/Time	13/1/25 10:42	13/1/25 8:22	13/1/25 8:00	13/1/25 10:35	13/1/25 8:44	13/1/25 10:20	13/1/25 10:09	13/1/25 8:12	13/1/25 10:28	13/1/25 8:30	
Enterococci – Confirmed (MPN/100mL)	110	70	130	260	180	300	32	2940	130	25	
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	
Wind direction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	
Water Temperature (°C)	25.3	23.3	23.0	25.3	23.7	25.2	24.4	23.2	24.4	23.2	
Turbidity (actual - NTU)	6.5	6.6	10.4	4.0	3.3	4.0	2.3	8.2	3.4	4.4	
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	
Scums	Absent	Present	Absent	Present	Absent	Absent	Absent	Absent	Absent	Absent	
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent	Sparse	
Floating green specks	Absent	Sparse	Absent	Sparse	Absent	Absent	Absent	Absent	Absent	Sparse	
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	
Birds on water	0	0	1-10	1-10	0	0	0	0	0	0	
Birds around site	0	1-10	0	0	0	0	0	0	1-10	0	
Froth at shoreline	Nil	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Nil	Nil	
Floating debris	Present	Present	Present	Present	Present	Present	Present	Present	Present	Absent	
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	
Sign Observed (Open, Closed, No Sign)	Open	Open	Open	Open	Open	Open	Open	No signs	Open	Open	
Total blue-green algae concentration (cells/mL)	9064	57343	37906	20229	10408	12628	20484	39408	19312	10880	
Biovolume mm ³ /L	0.287	1.6	0.64	0.253	0.107	0.0786	0.306	0.897	0.354	0.157	

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Job Name: 0

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Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
High - risk Cyanophyta (cells/mL)	3198	17722	6521	2644	729	729	3248	9104	3822	1616
<i>Microcystis aeruginosa</i> (PTP)	3198	17722	6388	2644	729	729	3248	8840	3822	1616
<i>Dolichospermum circinale</i> (PTP)			133					264		
Potential-risk Cyanophyta (cells/mL)	0	226	82	0	312	0	0	296	0	84
<i>Geitlerinema amphibium</i>		226	82					232		84
<i>Pseudanabaena limnetica</i>								64		
<i>Phormidium spp</i>					312					
Low-risk Cyanophyta (cells/mL)	5866	39395	31303	17585	9367	11899	17236	30008	15490	9180
<i>Aphanocapsa</i> Small <2	3908	25253	17503	13978	6770	9910	13344	14800	12542	4928
<i>Chroococcus spp</i>	156	125	94	109	31			96	31	32
<i>Cyanocatena spp</i>	491	4056	3994	546	749	351	1012	6656	858	1344
<i>Cyanogranis spp</i>	562	6045	4193	456	819	640	1600	5208	1310	1248
<i>Merismopedia spp</i>	749	3744	4992	2496	998	998	1280	3072	749	1536
<i>Coelosphaerium spp</i>			437							
<i>Cyanonephron spp</i>		172	90					176		92